

# DX News

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## CPC Test Calendar

Call	Freq	Date	When
WDOV	1410	Dec 6, 1991	0200-0406
WWII	720	Jan 26, 1992	0400-0430
KUSD	690	Feb 17, 1992	0300-0330

**WDOV-1410**, P. O. Drawer B, Dover, DE 19903 will air special programming Monday morning December 16, 1991, between 0200-0406 EST. Between the top of the hour and approximately five minutes past each hour, WDOV will air voice ID's, a 1,000 cycle tone, and code ID's, interrupting its regular programming. Our thanks to Bob Reinhardt, Chief Operator, and Dave Schmidt, Chief Engineer. Arranged by J. D. Stephens for the IRCA.

**WWII-720**, 8 West Main Street, Shiremanstown, PA 17011 will conduct a DX Test on Sunday morning January 26, 1992 from 0400 to 0430 EST. Program will consist of polkas, big-band music, voice, and code ID's. Our thanks to Mr. Dean Lebo, General Manager for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

**KUSD-690**, Telecommunications Center, 4141 East Clark Street, Vermillion, SD 57069-2390 will conduct a DX Test on Monday morning February 17, 1992 from 0300 to 0330 EST. Program will consist of test signals and programming. Our thanks to Mr. Larry Rohrer of South Dakota Public Radio for this test. Arranged by the Courtesy Program Committee of the National Radio Club.

*From the publisher ...* WIBW-580 Chief Engineer Ed O'Donnell called me this weekend with a request for help. (You may remember Ed as one of the speakers at the Topeka convention in 1989.) Seems that a Mexican station on the frequency is, again, not observing proper sunrise-sunset power etiquette, causing severe interference to WIBW for about an hour preceding sunrise and about an hour after sunset, as close as southeast Kansas. He obviously cannot monitor this station from Topeka, and he'd appreciate the help of any DX'er in noting any unusual activity on this frequency and reporting it to him as soon as possible so that he could in turn report

it to the Texas FCC monitoring station for action. He'd like reports throughout the winter. You can call (800) 272-9429 evenings CLT 6:30-7 pm, but make sure you tell the phone moderator that you want to leave a message for O'Donnell, or you may find yourself asked sports questions on the air by Ron Paradis. Otherwise you can send reports to Box 119 - Topeka, KS 66601. Your reports could have a definite effect not only on this real pest but on other stations which operate illegally across the border ... not to mention the fact that this opportunity is a rare one for hobbyists to return a favor for all the veries Ed and others have sent out to us.

*They joined ...* Marc Kulbacki VE3GIX, Windsor, ON (rejoins); Bill Burrows, Gloucester City, NY (rejoins); Dr. Jean Burnell, St. John's NWF.

**DXChange ...** Isaac W. Eaves - 18503 Canyon Cove - Crosby, TX 77532 is offering his Hammarlund HQ-180A for sale at \$550. It includes professional mods by Steve Bohac with a single Collins mechanical filter, enhanced audio, built-in Q-multiplier, RF trimmer, etc., plus an outboard digital frequency readout from Radio West, and it was overhauled by Bohac about a year ago.

## DX Time Machine

### From the pages of DX News

*50 years ago ... from the Dec. 6, 1941 DXN:*

Jim Wedewer, Dyersville, IA, reported that he ran his 100-ft. antenna across three neighbors' yards and would like to add another 20 ft. ... Al Bartholomew, Bradford, NY, reported that his XEF verie was a 20-peso note with the verie message typed on one side.

*25 years ago ... from the Dec. 10, 1966*

**DXN:** Charles R. Rader, Hamburg, NY, drove to Kittenning, NY for an area GTG at Dick Cooper's with Johans, Maslen, and Heinen riding along.

*10 years ago ... from the Dec. 7, 1981 DXN:*

Jerry Bond, Rochester, NY logged KNX-1070 11-9 0058-0100 for the first time in the current DX season.

# AM Switch

Status changes in AM stations, supplied by the FCC and listeners

Jerry Starr  
c/o WHOT Radio  
4040 Simon Road  
Youngstown, OH 44512-1320

## CALL LETTER CHANGES

### Old call:

770	KRPM	WA	Seattle
980	WBBE	KY	London
1010	WYST	MD	Baltimore
1150	WYNE	WI	Kimberly
1220	KOUR	IA	Independence
1330	WKOV	OH	Wellston
1340	KATY	CA	San Luis Obispo
	KICK	MO	Springfield
1450	WFRG	NY	Rome

### New call:

KULL
WMAK*
WERQ
WHBY*
KQMG
WYPC
KGLW
KIDS*
WZLB

\*WBBE-980 was never used and has been set aside, station remains WMAK. WYNE-1150 has been bought by owners of WHBY-1230 who will move their call and programming to 1150 as reported six issues ago, this change reflects that move. Contrary to our speculation last week, KICK has indeed changed calls to KIDS, having purchased the call from the Palmyra, MO FM station. Somehow this change slipped through the cracks. Thanks to Bob Urmacht of MSJ who phoned in this information from DC.

APPLICATIONS / GRANTS FOR NEW STATIONS  
None



## APPLICATIONS FROM EXISTING FACILITIES

1500 WAKE IN Valparaiso: move to 970 kHz with 400/700 UZ  
(higher power at night is correct)

GRANTS TO EXISTING FACILITIES  
None

## OTHERNESS

600	WLHQ	AL	Enterprise: station is SILENT
710	KUET	AZ	Black Canyon City: station is SILENT and has been for several years. After operating briefly they left the air planning to return with 50,000 watts and went as far as having a 50 KW transmitter on site. However, we hear a rumor from an engineer in the market that the rig was repossessed.
790	WPIQ	GA	Brunswick: station is SILENT
900	WCOR	TN	Lebanon: station is SILENT
950	WSPA	SC	Spartanburg: silent station is ON THE AIR
1020	KCFA	AK	Eagle River: station has been SILENT since August citing financial woes but is "in the process of being sold to a local church and we continue to pray that it will be back on the air before very much time passes" according to a letter from KCFA.
1120	WHOG	AL	Hobson City: silent station is ON THE AIR
1280	KTOL	WA	Lacey: silent station is ON THE AIR and is relaying KJUN-1450 Puyallup, WA

1390	WVOD	VA	Lynchburg: station is SILENT
1470	WRQQ	PA	Farrell: silent station expected to return to the air in early 1992 relaying WYWR-1330 Campbell, OH
1600	WTZQ	NC	Hendersonville: silent station plans to be ON THE AIR by the end of the year relaying WISE-1310 Asheville, NC

THANKS: Jeff Multer, Fred Tankersley, Conrad Durocher, Rocky Stone, Chris Cuomo, Martin Fanorke and M Street Journal!

It was quite a shock to read the front page of the 11-11-91 DX News and learn that it has been TEN YEARS since we began cranking out this column! It sure doesn't seem like even half that but I see that this edition of AM Switch is our column #270 and since we produce 27 a year (missing 2 DXNs a year for vacation) it adds up correctly. So I guess a big THANK YOU would be in order to all of you faithful members who have continued to contribute your Otherness items. I just sit here and bang on the computer. YOU are the people who keep this whole thing going with your support. There are members like Wayne Heinen, Dick Truax, Dave Schmidt, Chuck Rader, Ron Musco, Skip Dabelstein and others who have been contributing items since I became editor. And of course we can't forget former editor John Bowker who continues to send info he has gathered from his travels. And finally THANKS to anyone who may have sent in just one tidbit. Your support of this and other columns in DX News is what has kept the National Radio Club alive for 58 years. Keep it up. I wonder what I'll have to say when I look at the front page and see that it's been 25 years.....

73 and Good DX *Jerry & BKF* Jerry Starr & Buffalo K. Foorman

## IN THE BEGINNING

BY JOHN D. BOWKER

THIS IS THE COMPLETE LIST OF U. S. BROADCAST STATIONS ON THE INDICATED FREQUENCY AS PUBLISHED BY THE FEDERAL RADIO COMMISSION IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "T" INDICATES TRANSMITTER LOCATION; "D" MEANS DAYTIME OPERATION ONLY; "U" MEANS UNLIMITED TIME.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
1240, regional.	WKAQ	San Juan, P. R.	1 kw.	½ time.
	WXYZ	Detroit, Mich.	1 kw.	U.
	KTAT	Fort Worth, Tex., T-Birdville.	1 kw.	U.
	KGCU	Mandan, N. Dak.	250 w.	S.H.
	KLPM	Minot, N. Dak.	250 w.	S.H.
	KTFI	West Twin Falls, Idaho.	{500 w. / 1 kw LS}	U.

## Join the Target DX revolution!

Become a better DX'er by targeting. Help yourself by making requests for information ... help others by sharing your experiences through Bruce Conti's Target DX column. There's strength in numbers and shared information ... and what better way to DX than by DX'ing "smart"? Send your requests and tips to Bruce Conti - 34 Kessler Farm Drive, Apt. 566 - Nashua, NH 03063-7144.

# Domestic DX Digest - East

*DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT*

**William Hale**

734 Burleson  
San Marcos, TX 78666-4335

## MEDIUM WAVE RAMBLINGS

- A big WELCOME to new reporters **Bob Gilfert** and **George Phillips**. Bob DXes with a DX-440 from his DX shack in Virginia Beach, VA. After being a non-contributor during his first year as an NRC member, we've finally got him in the pages of **DX News**. And we're looking for more! George is from the plains of Minnesota, and he reports some "Midday DX". After seeing the Northern Lights the previous night, a great AU session was sure to follow. Keep those fine reports coming!
- Ever heard of "Trimulcasting"? Neither did I until an article from the *San Antonio Express-News* arrived, courtesy of **Jim Boehm**. Seems KSMG-FM 105.3 in the Alamo City has taken over both KISS-AM 930 and KISS-FM 99.5, and *Magic 105's* Oldies format now emanates from all three frequencies. The KSMG general manager was quoted as saying this is only a temporary arrangement. No telling what the final orchestration will be. Here in California, I can still listen to *KOOL GOLD* on KCBQ 1170, thank you.
- **Don Treford** needs some suggestions for an antenna now that he's moved into an 11th floor apartment. Let's see. That's about 110 feet up. Just drop a wire out the window and let gravity take its course, Don. Muse an idea or two that'll top that!
- Many reporters have commented favorably about this DX Season already. Crank up the dials and send in your reports. . . NOW!
- I've decided to have you continue to mail your reports to my Texas address, since the first three mail forwardings worked out so well. Priority Mail does work! We'll see what happens after the Christmas Holiday season.

## SPECIAL

- 610 WAQS NC CHARLOTTE** - 11/4 noted with new CLS WAQS, ex:WGKL; carries KOOL GOLD format; legal ID :00 *Charlotte's only 50s Rock and Roll Station WAQS Charlotte, an Adams Communications Station* (RJT-NC)
- 930 KISS TX SAN ANTONIO** - 11/20 now trimulcasting with KSMG 105.3 and KISS-FM 99.5 with KSMG's oldies format; listen for *Magic 105* slogans (JB-TX) [Repeated here in case you don't read rAmblings, hi - Ed.]
- 950 WSPA SC SPARTANBURG** - Issue dated 10/12 says *Silent*; hrd them on 10/11 with HS FB; called stn on 10/12 to find out who won and received verie on 10/17, signed by **Craig Turner, CE** (BG-VA)
- 1320 WMSR TN MANCHESTER** - as per verie, simulcasts WTVF TV5 (Nashville) 1900-2000 ELT; new address is 914 Oakdale Manchester, TN 37355 (RJT-NC)
- 1350 WSMB LA NEW ORLEANS** - as per verie, new address is 629 S. Claiborne New Orleans, LA 70113 (RJT-NC)
- 1360 WMOB AL MOBILE** - wrote to this station and letter was returned; address in new Log is not correct (GH-KA) [Okay, Mobile-area members, here's your chance to excell, hi - Ed.]
- 1460 WIMX PA HARRISBURG** - noted change of CL in AM Switch to WIMX; per verie ltr for 10/18 reception, call is WIMX and they are j with 99.3 FM (BG-VA) [I believe WIMX is still alive and well in Mount Vernon, IL on 940. These guys may use *Mix* or some sound-alike, but can't be WIMX - Ed.]
- 1470 WWWW OH TOLEDO** - 11/12 2230 positive ID *Your hometown sports connection, 3WM AM 1470* - CNN Headline Nx, ad for *Nancy's Restaurant*; strong but fade; presume CL/format change since Log lists WOHO as call (LK-ON#) [I've still got WOHO, too. Mr. ★, what's the scoop? - Ed.]

**#710  
KMPG**

## UNIDS AND UNID HELP

- 690 UNID ??** - 10/31 1726 fair with MRN Nx, sports talk show (LMc-NY)
- 1280 UNID ??** - 11/7 2200 SS mx behind CKCV; nx in SS at 2200 mentioning *Magic Johnson*, what seemed to be the wx and jx ID which I couldn't

- understand; loop was E/W, but it was coming in on the 4' "LW" too, but fainter (LK-ON)
- 1340 UNID ??** - 11/11 0210 fair with ROK mx, ID as *The Bay's Best Rock, 1340 WPW* and also a *WBGZ* ID; maybe two separate stations (SA-VAL)
- 1600 UNID ??** - 11/10 1540 fair with rock mx by *Cream, Traffic* (LMc-NY)

## DX AND EQUIPMENT TESTS

- 1370 KCRV MO CARUTHERSVILLE** - 1/29 not a sign of this one, only a weak WXXI and WSPD (DT-ON)
- 1560 KKID OK SALLISAW** - 11/11 0101-0119+ weak; DX pgm hrd with numerous CIDs making it through the mess; got info on this from NRC Ham Net on 75 meters (AM-VA)
- 1590 KWEY OK WEATHERFORD** - 11/11 not hrd; info also from Ham Net (AM-VA)

## TIS AND OTHER STUFF

- 530 TIS MD WASHINGTON COUNTY** - 10/30 & 11/7 daytime reception noted while travelling on I-81; mention of Washington County Visitor Center, attractions, more, and cautioned that broadcasts were different for particular areas (multiple XRs?) (MH-PA)
- WNMM725 NY CHEMUNG COUNTY** - series of TIS xmtrs on NY 17 in Elmira/Coming area has been taken off the air as the 2-year experimental period which authorized stns expired and another (unidentified) group is thinking of possibly applying for license to resume b'casts (MH-NC)
- WQC855 VA Kings Dominion along I-95** - NOT noted during daytime check while driving thru area on 10/30 & 11/7, but park's billboard indicated the park was closed for season, so station may resume operations when they reopen (MH-NC)
- TIS VA RICHMOND** - daytime reception 10/30 & 11/7; female annrc noted 10/30 w/30-45 second loop announcing fest bcst with mention of *Welcome to Metro Richmond and This is the Tourist Information Station*, on 11/7 male annrc noted similar greeting, but 2-3 minute loop w/mention of the *Metropolitan Richmond Visitor Center* (and address), attractions in both the Richmond area, and Virginia, and Veterans Day activities; stn noted while checking for WQC885 in toll booth areas along I-95 route in the Richmond area (MH-NC)
- 1610 TIS NE LINCOLN** - 11/11 0740 good with info about Lincoln; phone # given to call for more info (SA-VAL)
- KIE736 VA SHENANDOAH NAT'L PARK** - daytime reception 10/30 & 11/7; noted whilst travelling on I-66 with woman annrc (weakly) with mentions of park attractions, extreme fire hazard, and giving a 1-800 number to call for reservations (apparently for campsites in park) (MH-NC)
- 1620 UNID ??** - 11/10 1004 definitely an unID TAS reported earlier is one; barely detectable with male & female annrcs with *We invite you to stop by for information on accommodations, ??? and special events* by male, followed by brief remarks by the woman and man again a few seconds later *This is Travelers Advisory Station* . . . giving the call as *W* something; station is east or west, but DF is impossible due to necessary nulling of power lines; have on tape (AM-VA) [C'mon TISers . . . ID this one for Alan - Ed.]

## MIDNIGHT TO 0800 HOURS ELT

- 550 CHLN PQ TROIS RIVIERES** - 11/9 0051 FF surfaced over WJMW & C&W, possibly CFNB (RH-NJ)
- 560 WQAM FL MIAMI** - 11/6 0545 OLD mx and local ads (DLH-IN2)
- 570 CJEM NB EDMUNDSTON** - 11/9 0105 FF news/sports, listing of other relays of CKMV, as noted in Log; 1st-timer (RH-NJ)
- 610 KILT TX HOUSTON** - 11/8 0646-0659 very good with *Hudson & Harrison Friday Show* C&W format with wx and traffic reports; lost at 0659 WAQS power up; new for TX #28 (RJT-NC)
- 900 CHYC ON SUDBURY** - 11/2 0540 fair with FF talk, wx, sports, mentions of Sudbury, lite FF ROK mx; under/over CHML/XEW; new for ON #84 (SA-MB)

990 CBJ4 PQ ANSE ST. JEAN - 11/11 0302 fair with CBC FF Network mx and talk J CBJ-1580; new for PQ #25 (SA-VAL)

1100 WLBB GA CARROLTON - 11/6 0715-0815 sign-on at 0715 then - C&W format; finally... enough for a report; in/out with WSGI (RJT-NC)

WSGI TN SPRINGFIELD - 11/6 0749-0824 C&W format; in/out with WLBB; new (RJT-NC)

1110 WHIM RI PROVIDENCE - 10/27 0045 C&W; ID under WBT (RH-NJ)

1150 WIMA OH LIMA - 10/28 0458 fair with lots of noise *WIMA 1150 WIMA* ID, *Natalie Cole* song (LMc-NY)

CKOC ON HAMILTON - 10/27 0135 poor, over a mess with wx, ID (RH-NJ)

CJRC ON OTTAWA - 10/19 0015 OLD, phonetic ID *Say Zhay AR Say*, nx in FF (RH-NJ)

1210 CJTR PQ TROIS RIVIERE - 10/31 0010-0030 ROK, male in FF, *Cap de Madeline* ment (across river from T-R); fair no QRM; 1st logging from new QTH (DT-ON)

1230 WKBO PA HARRISBURG - 10/28 0455 briefly atop w/nx and traffic reports (LMc-NY)

1250 WDVA VA DANVILLE - 11/9 0111 REL mx, mention of *Danville* (RH-NJ)

1260 WRIE PA ERIE - 11/9 0605 fair with satellite OLD, ad for *Top Gun Sporting Goods Store* (LMc-NY)

1270 WMPM NC SMITHFIELD - 11/9 0600 atop with legal ID *You're listening to 1270 WMPM Smithfield, North Carolina. It's 6 O'Clock* (LMc-NY)

1280 KXKL CO DENVER - 11/9 0125 weak, but atop with ad for *Denver Area Jeep Dealers* (ETH-MO)

1300 KVET TX AUSTIN - 11/10 0125 good with *KVET FM 98* ID after song (ETH-MO)

KVET TX AUSTIN - 11/14 0001 good with legal ID - C&W mx; 1st time here (JEL-MO)

1320 KELO SD SIOUX FALLS - 11/9 0140 call ID after *Steve Miller* song, mostly over KXYZ; kind of a surprise, 'twas auroral earlier (ETH-MO)

KXYZ TX HOUSTON - 11/9 0145 good with SS mx, *Radio Trece* IDs, mentions of Houston in promos (ETH-MO)

1370 CKOD PQ VALLEYFIELD - 11/11 0010 fair with FF lite ROK mx; new for PQ #26 (SA-VAL)

1380 KSRV OR ONTARIO - 11/11 0725 good with wx, *Country ?? KSRV*, local ad for a Savings & Loan in Ontario; mixing with KRKO; now for OR #7 (SA-VAL)

KRKO WA EVERETT - 11/11 0728 good with TC, *KRKO* ID - local nx & oldies mx; new for WA #24 (SA-VAL)

CHUC ON COBURG - 11/11 0043 good with *Always a better mix of music*, *CHUC* ID, local ads, oldies mx; new, ON #85 (SA-VAL)

1450 KGRE CO GREELEY - 11/3 0735 fair with traditional Mexican mx, *La ??? de Colorado* ID, ments of Greeley; new format?; 1st time hrd in SS (SA-MB)

WATZ MI ALPENA - 11/11 0058 good with *WATZ* and *99.3 FM* ID, then sign-off with SSB at 0100; new for MI #71 (SA-VAL)

1490 WGCH CT GREENWICH - 11/4 0355 atop din with slogan *You're in touch with so much on WGCH* (LMc-NY)

1560 KTXZ TX WEST LAKE HILLS - 11/10 0115 good in WPAD null with SS ranchera mx, but had male anncr in EE; *KTXZ Loud and Proud* slogan; TX #26 (ETH-MO)

1590 WQQW CT WATERBURY - 10/27 0100 signing off with power and location details (RH-NJ)

WKTP TN JONESBORO - 11/13 0000-0016 good with ABC Nx, WKTP Wx center, *Get the latest news and weather around the clock on easy listening WKTP*, gave phone # 247-5111 for recorded wx info (BG-VA)

#### 0800 TO 1600 HOURS ELT (or, the Groundwave's good today, Zeb)

700 WLW OH CINCINNATI - 11/9 1445 hrd CLs and promos for WLW's weather coverage during big storms; "Midday DX" during auroral conditions; relatively stable signal w/slow fading (GDP-MN)

750 WNDZ IN PORTAGE - 11/9 1450 hrd 3 IDs in about 30 seconds, then several hymns; signal strength quite strong during "Midday DX" (GDP-MN)

760 WJR MI DETROIT - 11/9 1457 FB game with *Michigan* crushing *Northwestern*; several IDs during game breaks; strong with slow fading; "Midday DX" (GDP-MN)

850 WKIX NC RALEIGH - 10/31 1722 [Laura, are you messin' with me? Or did you mistakenly put this in 0800-1600? Or did you mean 1522? - Ed.] good, mixing with WHDH with local HKY promo, EZL, slogan *The Triangle's Memory Station, WKIX* (LMc-NY)

910 KLCN AR BLYTHEVILLE - 11/9 1255 fair in WAKO null, network OLD show, legal ID (ETH-MO)

1310 KRBI MN ST. PETER - 11/11 0920 poor with talk about St. Peter and area towns; under KNOX, brief fade-up; new for MN #109 (SA-VAL)

1410 WSTL NY GLENS FALLS - 11/6 1553-1556 good in WPOP null w/C&W mx, *Stereo 1410* slogan, nx at 1555 (LMc-NY)

1450 KZZJ ND RUGBY - 11/3 0805 good with SSB, sign-on info; new time for sign-on, not 0900 as per the Log (SA-MB)

1480 WJBM IL JERSEYVILLE - 11/9 1140 fair with ID: *WJBM Jerseyville-Carrollton, serving the Tri-County area*, AdCon; was my closest unheard (ETH-MO)

1500 WPMB IL VANDALIA - 11/9 1145 fair - poor with remote from a Vandalia restaurant, legal ID (ETH-MO)

1520 WHOW IL CLINTON - 11/9 1200 poor, with *University of Illinois* FB promo with ID: IL #58 (ETH-MO)

#### 1600 TO 2400 HOURS ELT

560 WVOC SC COLUMBIA - 11/13 2200-2207 poor with Talknet, getting cremated by WGAI (BG-VA)

CJKL ON KIRKLAND LAKE - 11/3 2148 positive ID by *Listen to Cross-Country Check-up on CJKL*; C&W mx and an interview with *Waylon Jennings*; some QRM, but generally clear & steady (LK-ON#)

680 WOGO WI HALLIE - 11/3 1905 fair, over another with BRN, local ID (ETH-MO)

790 WSLV NY WELLSVILLE - 10/19 1825 C&W, alternating w/WAEB; 1st-timer (RH-NJ)

WMC TN MEMPHIS - 11/6 1850 atop with *5 Action News*, local ads (ETH-MO)

KFYOT TX LUBBOCK - 11/15 2347 fair with non-legal ID & C&W mx; 1st-timer here (JEL-MO)

WEAQ WI EAU CLAIRE - 11/15 2359 fair with satellite EZL (*Send In The Clowns*), legal ID, then *Neil Diamond*; DJ said he could not confirm since he was listening to his FM (JEL-MO)

CIGM ON SUDBURY - 10/18 2355-0005 C&W mx, nx, ID; great signal (RH-NJ)

810 WCEC NC ROCKY MOUNT - 11/10 2015 C&W, ID; in WGY null (RH-NJ)

830 WWMO NC EDEN - 11/10 2018 REL pgm, mention of churches (Pentecostal) and *Brother Broadnax* and *Pastor MacRae*; I passed by this church on a 1978 vacation trip; 1st-timer (RH-NJ)

KBUC TX CIBOLO - 11/8 1900 weak/alone in SS, *Radiovision* and *KBUC-AM Cibola-San Antonio* & SS ID (ETH-MO)

850 WKIX NC RALEIGH - 11/10 2025 *Greensboro* vs *Raleigh* HKY game, 3-1 *Greensboro* after 1st period, *Bud* ad, league standings; good, clear signal (RH-NJ)

KRPT OK ANADARKO - 11/6 1900 weak atop noise, mention serving southwest OK, *KRPT AM & FM* ID (ETH-MO)

860 KONO TX SAN ANTONIO - 11/3 1840 atop with SID, ROK OLD (ETH-MO)

900 WJTH GA CALHOUN - 11/5 1705 faded up for clear CL ID; under WAYN simulcast of WSOC TV9 Nx; new for GA #100 (RJT-NC)

910 CHRL PQ ROBERVAL - ID by format and the fact this is only FF-language stn listed in Log on 910; FF mx & talk (LK-ON)

950 KPRC TX HOUSTON - 11/8 1850 fair - good with sports talk show, ID, local ads (ETH-MO)

970 WWSW PA PITTSBURGH - 11/13 2224-2235 good with oldies, many non-IDs as *3WS*, ad for Christmas event at *Greengate Mall*; mixing with WJMX (BG-VA)

WJMX SC FLORENCE - 11/13 2224-2240 fair with talk show (BG-VA)

990 WEIS AL CENTRE - 11/4 2031 in progress with *University of Alabama* football phone-in show; over/under WIVK; new (RJT-NC)

1000 WLUP IL CHICAGO - 11/13 2235 ad for *American Airlines* trip to Tokyo, *AM 1000*, then - Sportstalk; fair over SS QRM (JEL-MO)

1070 KNX CA LOS ANGELES - 11/13 2259 good with non-legal ID - nx (JEL-MO)

1110 KTLA LA PINEVILLE - 11/6 1820 good with live promos and IDs (DLH-IN2)



- 1130 KWKH LA SHREVEPORT - 10/24 1946-1950 local ads incl one for GM dir in Shreveport, promo for Steve Warren pgm and prizes; KWKH ment, sports, ad for Mid City Grill; fair over WNEW (DT-ON)
- 1140 WRVA VA RICHMOND - positive ID by Hello, you're on WRVA during call-in show on national health care and local elections; ads for Puritan Cleaners and a Richmond show store; 1140 #1, clear & strong (LK-ON#)
- 1190 WBSL MS BAY ST. LOUIS - 10/24 2006-2037 mix of C&W & GOS; 2030 --- WBSL, ment of SE Louisiana, poor under/over WOWO and unID with talk in SS (DT-ON)
- KUII TX DALLAS - 11/10 2208 simulcasting Channel 4 wx and sports on Nightbeat, CNN Nx at 2230 (GH-KA)
- 1220 KVSA AR MC GEHEE - 11/9 1830 good with ad for Dermott State Bank, southeast AR wx, ID (ETH-MO)
- 1230 WONN FL LAKE LAND - 11/2 1912 EZL/BBD mix, ads and IDs; mixing w/WALSAL at times but dominant, more often than not; my farthest GYer (but not a record) and simply my best catch, ever (DLH-IN1)
- WIGS NY GOUVERNEUR - 11/5 1742 positive ID by This is the full-service network, 1400 WSLB, Ogdensburg, 1230 Gouverneur and 95.7 FM and here's Neil Diamond on FSR, full service radio; local wx and traffic accident in Ogdensburg, local ads for both cities; checked 1400 and they were I; clear but faint (LK-ON)
- 1240 WTAX IL SPRINGFIELD - 11/8 1800 fair under KFMO with wx, ID on groundwave during severe aurora (ETH-MO)
- 1250 WHNY MS MC COMB - 11/9 1820 poor/alone with WHNY, number one - ROK (ETH-MO)
- WEMP WI MILVOUKEY - 11/1 2240 good with CBS Football ad, WEMP IDs, OLD mx; CHSM on & off with XR troubles (SA-MB)
- WEMP WI MILWAUKEE - 11/7 2116 IDd by For great talk and great music, it's WEMP - Elvis song, later the nx; great deal of QRM and fade in/out of a Portuguese-language stn (probably from Toronto) and an EE talk show on AIDS; also good on 4" "LW" (LK-ON#)
- 1270 WXYT MI DETROIT - 10/19 2205 nx, ID; WSPR silent; remember this one as WXYZ (RH-NJ) [So does the Lone Ranger and Sgt Preston, hi - Ed.]
- 1280 CKCV PQ QUEBEC - 11/7 2134 ID by language/format and local ad for Le Journal de Québec then back to intermission at Les Nordiques game; SS talk in background, lots of QRM and fade, but audible in CJMS null (LK-ON#)
- 1290 WCHY GA SAVANNAH - 10/25 2010-2015 wx, ad for Hirzburg Jewelry in a mall in Savannah and some other mall; C&W, 2015 ID ...94.1 WCHY; poor w/slight QRM from unID with talk (DT-ON)
- WNBK NY BINGHAMTON - 11/7 2141 positive ID by WNBK, 1290 Weather, Bruce Williams on TalkNet with AT&T and other phone services as subject, ad for heating company in the Southern Tier and ad for Giant Markets; clear and strong to complete fade (LK-ON#)
- KIVY TX CROCKETT - 11/3 1805 local ads and ID; fair - good (DLH-IN1)
- 1300 WJFK DC WASHINGTON - 11/13 11/13 2246-2310 fair with ROK mx, ads for A to Z Block N Roll Weekend and Surf's Progressive Show || 106.7 (BG-VA)
- KFLO LA SHREVEPORT - 11/13 2328 XLNT w/ad for City Printing, non-legal ID, GOS mx; 1st time here; annor reported 500 watts lobed NE (JEL-MO)
- WKXI MS JACKSON - 11/13 2110-2115 good with UC; mention of All-New 107 WKXI (RJT-NC)
- WNQM TN NASHVILLE - 11/5 2210-2241 fair - good with brokered REL; CLs stand for Nashville's Quality Ministries (RJT-NC)
- 1320 WMSR TN MANCHESTER - 11/7 1936-2102 news simulcast from a Nashville TV station (didn't catch CLs or channel) - Middle Tennessee State University FB show; sign-off at 2102 w/SSB; new (RJT-NC)
- 1330 WFBC SC GREENVILLE - 11/6 1920 in mess with WORD Spartanburg and WFBC Greenville ID (ETH-MO)
- 1350 WSMB LA NEW ORLEANS - 11/4 1754-1757 quick fade-up to traffic report; ad for New Orleans Paddlewheels - stock market report; pattern switch at 1757:18; new for LA #22 (hrd at same time next 3 days) (RJT-NC)
- 1350 CHUR ON PEMBROKE - 11/12 2219 ID by local ads and local election results and an interview with Pembroke's new mayor (LK-ON#)

- 1360 KFFA AR HELENA - 11/13 1804-1944 fair - good with C&W, MBS Nx at :30; many ads; Ken Miller with Arkansas Update at 1900; new (RJT-NC)
- WTSB GA ROME - 11/13 1753-1759 out of jumble with C&W; many South 107 non-IDs; new (RJT-NC)
- WCHL NC CHAPEL HILL - 11/5 1855-1933 fair - good with simulcast of CBS Evening News with Dan Rather (1st time I've hrd a network news simulcast on radio) - Election '91 coverage; unn but rare here due to WSAI dominance (RJT-NC)
- KWWJ TX BAYTOWN - 11/13 1845-1849 wx and traffic for Houston area, temperature at Intercontinental; quick fade up and down under KFFA - GOS mx (I think); new (RJT-NC)
- 1370 WCOA FL PENSACOLA - 11/13 1850 promo for Car Clinic on AM 1370 WCOA; new for FL #71 (RJT-NC)
- KCRV MO CARUTHERSVILLE - 11/8 1810 fair with ID and local ads in KGLD slop (ETH-MO)
- 1380 WELE FL ORLAND BEACH - 11/2 1905 ad for 7th Day Adventist Church in Daytona; promos (DLH-IN1)
- KGLD MO ST. LOUIS - 11/13 2050-2210 XLNT with High School Game of The Week (FB) State 5A Playoffs: St Louis University HS Junior Billikens vs McClure Comets; new for MO #10 (RJT-NC) [What the heck is a Billiken? A cross between a billy goat and a pelican? - Ed.]
- 1390 WPBG FL WEST PALM BEACH - 11/2 1810 good with OLD and local ads; ID (DLH-IN1)
- 1420 CJMT PQ CHICOUTIMI - 11/5 2105 positive ID in FF by an ad for un beach partie Guadeloupéan à CJMT, then FF ROK mx in the rock détente style and FF talk; QRM and fade (LK-ON)
- 1430 KTYN ND MINOT - 11/2 1824 good with Kitten Country ID; C&W mx and KTYN ID; not CHR/OLD as per Log (SA-MB)
- 1450 KIRX MO KIRKSVILLE - 11/8 1820 poor in KFTW null with FM 94 and partial KRXL ID noted (ETH-MO)
- CHEF PQ GRANBY - 10/28 1718 ID by format/local ads for stores à Granby mx in FF, CFL FB scores, local election news, all in FF; tons of QRM and faint but clear at times; very difficult to separate (LK-ON)
- 1570 WOBS IN NEW ALBANY - 11/11 1820 fair with Southern GOS mx; no ID hrd, but annor made local ments plus the station phone number checks (DLH-IN1)
- 1550 WYNX GA SMYRNA - 11/14 peeking through at 1723 with good ID before being consumed by WNZT slop; no sign of XVA; guess they turned the power down (JW-PA)
- WESY MS LELAND - 10/28 1825 local ads, ID - Sheridan Net Nx; domestic #700 (DLH-IN2)
- WXVA VA CHARLES TOWN - 11/13 dominant during late afternoon commute from York to Lancaster, TC IDs at 1644 and 1651; has there been a power increase? (JW-PA) [No, but you may have caught them just before LSS with their 5000 watts, and SSS does funny things with AM signals then - Ed.]
- 1580 WKKD IL AURORA - 11/13 2225 good with non-legal ID - 60s oldies; 2nd time here (JEL-MO)
- 1600 KLEB LA GOLDEN MEADOW - 11/4 1818 great with C&W mx and IDs (DLH-IN2)

## REPORTERS

- JB-TX JIM BOEHM//San Antonio, TX//
- JW-PA JIM WEBBER//Lancaster, PA//
- JEL-MO J.E. LEWIS//Kansas City, MO//Grundig Satellit 400, RW "Shortgun" || Select-A-Tenna
- GH-KS GARY HOUEDEK//Munden, KS//Magnavox digital RX
- DT-ON DON TRELFOED//Scarborough, ON//DX-440 at last report
- AM-VA ALAN MERRIMAN//Annandale, VA//Drake R8 + 2' high Dynamic Range Balun Loop w/preamp
- BG-VA BOB GILFERT//Virginia Beach, VA//DX-440 barefoot
- RH-NJ RICH HARRISON//Hewitt, NJ//Grundig Satellit 3400 + SM-2 SpaceMagnet
- DLH-INX DAVID HASCALL (that rascal)//IN1 = Fortville, IN//Superadio + Sanserino Loop or IN2 = Lawrence, IN//Delco ETR
- LMC-NY LAURA MC CUSKER//Ravena, NY//baseball fever
- RJT-NC ROBERT TIARA//Hendersonville, NC//R-5000 + 24" Ferrite Loop + many LWs (X2)

## MORE REPORTERS

SA-MB SHAWN AXELROD/Winterpeg, MB/ICR-70 hooked to box loop or 100' wire  
 SA-VAL SHAWN AXELROD/Valhalla Beach, MB/ICR-70 with beverages  
 ETH-MO EARL HIGGINS/St. Louis, MO/ICF6500W  
 LK-ON LAURENCE KEARLEY/Orléans, ON/ICF-SW1 with Select-A-Tenna or # = Drake R8 with palomar Loop except where noted with LW  
 GDP-MN GEORGE PHILLIPS/Eagan, MN/ICF-2010 + RW Loop  
 MH-NC MIKE HARDESTER/Camp Lejeune, NC, but mobile in Mansfield, PA(PA) or other locales/GMC truck radio  
 Ed.-CA Ye Editor, N5SZC/61/Nictorville, CA/

## ABBREVIATIONS AND SPECIAL SYMBOLS USED IN DDX-E

||: parallel with or to - : to or into :00: on the hour AC: Adult contemporary AP: Associated Press BBD: big band  
 BRN: Business Radio Net C&W: country & western CHR: contemporary hit radio CID: code ID CL: call letter  
 ConlChr: contemporary Christian EZL: easy listening EE: English FF: French GOS: gospel IRN: Interstate Radio Net jx: jingle  
 LSR: local sunrise LSS: local sunset MLB: Major League Baseball mx: music nx: news NPR: National Public Radio  
 OC: open carrier ppp: play-by-play PSRA: pre-sunrise authority PSSA: post-sunset authority QRM: man-made interference  
 GRN: natural interference QTH: location REL: religious ROK: rock 'n' roll RS: regular schedule S: stereo SID: singing ID  
 SRS: sunrise skip SS: Spanish SSB: Star Spangled Banner SSS: sunset skip TC: time check TT: test tones UC: urban  
 contemporary UPI: United Press International wx: weather

## AM Radio Struggles to Survive

73, Bill

■ AM radio asks listeners: Give us another try.

By WILLIAM LaRUE  
*The Post-Standard*

Peter Hunn, owner of WZZZ-AM, had just finished putting some Halloween storytelling on the air when he was asked about this scary time for AM radio.

Hunn had no trouble explaining why his small station in Fulton is making a profit, even though many other broadcasters are in the red.

"I'm not afraid to step down and do programming like I just had on — two librarians from Fulton Library telling stories to kids about pumpkins and scarecrows and things like that," Hunn said.

If he can find an advertiser to sponsor a show, he added, "we figure someone must be interested."

Getting people interested in AM radio didn't used to be so difficult for anyone owning an AM station in Central New York.

Twenty-five years ago, AM was king. In Syracuse, eight AM stations dwarfed the four FM stations in both audience and income.

A decade ago — even after stereo FM became popular — there were still four AMs ranked in the top 10 in the Syracuse market, with a combined share of 35.7 percent among those listening to radio.

In contrast, there are now only two AMs (WSYR and WHEN) in the top 10, with a combined share of 12.7, according to the lat-

est measurement by the Arbitron Ratings Co.

Station officials say AM could be revived with improved signal quality, better radio receivers, creative programming and an end to the recession.

Most, however, agreed that AM as a major medium for music programming is probably dead.

"My own kids have been brought up on FM, you know. They don't listen to anything else," said John Enoch, general manager at WHEN-AM, which was once the market's top-rated station and is now ranked No. 8.

Broadcasters agreed that AM is going through its toughest crisis since the advent of television, but most say they're not ready to cue up Chopin's "Funeral March."

With these developments, some help is on the way for AM:

■ The Federal Communications Commission agreed last month to add AM band frequencies as high as 1705 kilohertz — current radios only receive up to 1600 kilohertz — to reduce congestion that's hurt the sound of AM.

■ The FCC has also relaxed rules to allow broadcasters to own more than one AM station in a market. Such a development is expected to allow stronger stations to acquire weaker ones and keep them on the air.

■ The National Association of Broadcasters this summer launched a promotional campaign for AMAX stereo receivers, a new kind of radio that's an improvement over the tinny sound on many AM receivers.

with a 9.4 share, compared with WHEN's No. 8 ranking and 3.3 share.

Enoch, who came to WHEN about three years ago, said he can't explain why WSYR has maintained its past ratings success, while ratings for his station declined sharply in the early 1980s.

"I wasn't here. I'd like to know that," he said.

"Was one promoted heavily and the other one not? Was the talent better on one and not on the other?"

WSYR Operations Manager Tom Langmyer has no clear answers, either.

However, he thinks WHEN, unlike WSYR, was slow to add programming that would appeal to new listeners as well as longtime ones.

The mix on WSYR includes funny man Bill Baker in the morning, conservative talk-show host Rush Limbaugh in the afternoon, and Syracuse University sports at night.

"WSYR, quite honestly, was a pretty stodgy radio station," Langmyer said. "But when our company bought the station (in the early 1980s), it was committed to updating the radio station ... to attract newer people who may not necessarily listen to AM radio quite often."

Langmyer offered WZZZ in

Fulton — with its mix of birthday announcements, Little League games and other local programming — as an example of how another AM station has succeeded by not attempting to compete with FM stereo.

Not all AM broadcasters have given up musical programming.

Although FM has a superior sound, some insist that AM can sound nearly as good with a quality receiver, even if it's not AMAX-certified.

AMAX radios, not yet widely available, contain circuits to receive high frequencies and to eliminate static. (AMAX is an acronym for "AM At its Maximum Potential.")

A current, good-quality car

The broadcasters hope these changes will revitalize an industry in which more than half of the 5,000 commercial radio stations lost money in 1990. Another 200, mostly AMs, are dormant.

However, better technology alone isn't the cure for what ails AM, according to Roosevelt "Rick" Wright Jr., associate professor of television, radio and film at Syracuse University.

"We have to readjust and develop the right formats for AM radio," Wright said. "We're going to have to accept the fact FM can get better music over the air. But there's still a big thirst for informational programming."

Wright gets no argument on that point from Robert Wood, general manager of WNSS-AM, a small sister station to WEZG-FM (Lite 101).

Last month, Wood changed WNSS to an all-news format. Previously, the station was known as WYRA and programmed nostalgic music, which was intended to appeal to an older audience still listening to AM.

It didn't work. The station barely registered in the ratings, partly because competitor WFBL-AM played similar music.

"(It nostalgic music) made a lot of sense, but it wasn't unchallenged," Wood said.

WHEN-AM finds itself in a similar competitive situation with WSYR-AM.

Both stations emphasize news, sports and other information programming. But in the recent Arbitrons, WSYR was ranked No. 4

radio doesn't sound that much different on AM or FM, according to Butch Charles, manager of WOLF-AM.

WOLF switched to an urban-contemporary format in February.

"Unfortunately, we have to carry the stigma of AM radio, even though we sound great," Charles said.

Still, Charles acknowledged he isn't blind to the reality of what listeners want to hear.

He's got an application pending with the FCC for an FM license in Syracuse.

## Syracuse Post-Standard

by Tony Fitzherbert  
 note: Peter Hunn is a former NRC Member

## Domestic DX Digest - West

DX Catches in the Western U. S. and Canada, with 24-hr. ELT

## DX TESTS!

1560 KABI KS Abilene

11/18 0601 Using this call for IRCA DX Test. Very strange electronic beeps and VID's through-0613 tune out. (0W-CO)

## Special!

900 WOZK AL Ozark

Per station letter. S/on 0600 with 69 watts. M-F 0700 Sat. 0745 Sun. Operates until 2300 daily with 69 watts from local sunset to s/ff. (CPC Machine)

920 KSHQ OR Lebanon

Verified by call to station calls changed 11/19/91. Format OLD. (ex-KGAL) (JW-OR)

## Midnight to Midday

540 KHKN CA Carmel Valley - Salinas

10/29 0914 Noted with C&W "Real Country" slogans. Call confirmed SMN's Real Country net. Fair with slight KMVI-550 QRM. (DP-HI)

710 KIRO WA Seattle

11/18 0742 "Cairo Newsradio 710" All Nx and features. Fair on peaks with QSB/QRM zapped by KNU5 s/on 0758. (0W-CO)

1230 KVAS OR Astoria

11/19 0600 Poor with PSA, ID, ID USA Radio Nx into OLD. FTH. (JW-OR)

1240 KRAL WY Rawlins

11/20 0900 Poor thru QRM with ID "KIQX FM ... KRAL AM" into unk net Nx. WY #29. Was my 3rd closest unheard. (0W-CO)

## Midday to Midnight

600 KTBB TX Tyler

11/20 1928 Fair o/KIIX with Tyler & Longview ads. Call ID's. (0W-CO)

1220 KDFC CA Palo Alto

11/6 1950 Good with CLA Mx to 1950 power cut. ID at 2000 very poor. (JW-OR)

1260 KOIT CA San Francisco

11/14 2314 Good with ID, slogan "light rock, less talk". AC Mx (JW-OR)

1300 KWCK AR Searcy

11/17 1900 Good Signal ID "We're playing your kind of country on KWCK AM & FM Searcy, Batesville, Jacksonville and Heber Springs" C&W Mx "Quick Country 99.9" slogans //FM. Suspect that they forgot to power down at Sunset. (0W-CO)

1300 KPTL NV Carson City

11/14 1900 Fair with ABC Nx, ID, local spots. (JW-OR)

1310 KCRE CA Crescent City

11/13 2023 Fair with ID and Sx, last hrd here in 1986. (JW-OR)

1380 KSMJ CA Sacramento

11/13 1900 Fair to poor with ID local ads Mx. (JW-OR)

1460 WACO TX Waco

11/20 1940 Dominant in apparent Aurora Conditions. local Spots & promo's...to C&W Mx "FM 100" and "Texas Number 1 Country" slogans //FM. (0W-CO)

1460 KCKX OR Stayton

11/15 1832 Fair with local ads, C&W, FTH (JW-OR)

1470 KUTY CA Palmdale

11/20 1945 local ads, "This is Cutey Country 147, Your LA Raiders & LA Lakers station" to C&W Mx (0W-CO)

1470 KBSN WA Moses Lake

11/19 2005 Fair with WA state Nx, ID & Sx. (JW-OR)

1480 KYOS CA Merced

11/17 2100 Fair with ID, local spots & PSA's. (JW-OR)

1490 KOWL CA South Lake Tahoe

11/17 1957 Fair with AC, ID "South Lake Tahoe, North Lake Tahoe and Carson Valley". FTH (JW-OR)

1500 KSJX CA San Jose

11/20 1950 "1500 AM 100% pure rock" and typical Z-ROCK Mx (If you really want to call Z-ROCK stuff mx!-ed)(You must be over 40!-pls) to ID @ 1959 "Our name is Z-Rock, the music is pure rock, KSJX San Jose" to more Mx. No sign of KSTP tonite. CA # 69. (0W-CO)

1570 KLEX MO Lexington

11/21 1759 Weak in KLOV null w/ID "... FM 92.5 KAYX Richmond and AM 1570 KLEX, Lexington. " to USA Net Nx. MO # 41. (0W-CO)

1570 KQVR CA Lodi

11/12 1902 Poor with ID & Nx in SS. Rare (JW-OR)

1590 KTLI OR Tillamook

11/12 1820 Poor with ID and Lost and Found show. (JW-OR)

1600 KUBA CA Yuba City

11/19 1744 Good with C&W ID o/ usual KEED. (JW-OR)

## UnID's

1170 UnID

10/27 0522 Jim Bohannon Show airing first hour //KIVI KFRC KSL etc. (since it was end of DST, show ran 1700-2100 HST, followed by 3 hr repeat) Suspect KPUG per IRCA Almanac. Very Poor (DP-HI)

## TIS

1610 KNEZ390 WA Stevens Pass

11/18 0803 Fair with Wx and "traction tires advised". Stevens Pass is North of Seattle. (JW-OR)

## Contributors!

(DP-HI) Dale Park Honolulu, HI # ATS-803A w/Selec-A-Tenna

(JW-OR) Jack Woods Waldport, OR # ICF-2010, SP-600, Martens Loop

(0W-CO) John Wilkins Wheatfarms, CO # R-1000, 4.238' Anquilla Loon

# International DX Digest

**Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.**

I just received the first comment on my recent DXN article on country-counting from Ben Dangerfield. When I get a few more reactions from others I'll try to summarize the main points here. Thanks, Ben!

Jim

## TRANS-PACIFIC

- 720 USSR Yuzhno-Sakhalinsk 1139 11/18. Good signal during KDOWN SP. Female in Asian language (not JJ), chimes starting 1159, into Asian language news. A probable. [JW-OR]
- 828 JAPAN Osaka 1043 11/18. First time heard since early last season. Fair to good signal. Intermediate level EE lesson. No sign of KIKI on 830 this morning. [JW-OR]
- 1566 SOUTH KOREA Cheju 1052 11/18. Regular here a few years ago, but rare now. Man talking in Asian language, female vocalist, poor signal with fades. [JW-OR]

## TRANS-ATLANTIC

- 594 MOROCCO Ouida 2340 1/22. Fair. [BD-PA]
- 702 MOROCCO Sebba-Aïoun 0030 10/23. Fair in Berber. [BD-PA]
- 774 YUGOSLAVIA (heard while in Belgium) 2200 9/28. Station IDing as "R. Croatia" w/nx in EE. [BD-PA]

**Jim Renfrew**  
61 Wilcox Street  
Rochester, NY 14607-3832

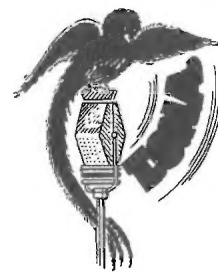
- 783 PORTUGAL Miramar 0100 10/21. Fine signal w/0105 s/off. Burg, Germany wasn't heard at all; must be off the air. While in Belgium only heard Miramar and UNID AA station, possibly Algeria. [BD]
- 819 MOROCCO Rabat 2345 10/22. Fair signal. I will be in Rabat and other Morocco cities in February. [BD-PA]
- 828 MOROCCO Ouida 2330 10/22. Fair signal. [BD-PA]
- 1044 MOROCCO Sebba-Aïoun 2335 10/22. I believe this is the one in FF as other Moroccans were in then. However, the 1991 WATH does not show anything but AA on this frequency. I will check it out while over there in February. [BD-PA]
- 1070 UNID A het against 1071 heard every night while I was in Belgium in September was, I suspect, Guinea-Bissau, thus making it unlikely that this station would be over here. Apparently, the Guinea-Bissau stations (other is on 1034) didn't change frequencies. [BD-PA] (Ben is referring to the reconfiguration of the Europe/Asia/Africa frequencies some years ago. Mark Connelly noted a few Africans on the old plan during the Newfoundland DXpedition - Jim)

- 1386 USSR Kaliningrad (heard in Belgium in September). The station puts out a super signal, but I heard it IDing around 1800 UTC as R. Rigay, and this announcement was followed by news in Latvian. Could be just a Russian broadcast into Latvia, or it could be a move. [BD-PA]

## PAN-AMERICAN

- 560 UNID 0501 11/22. Bits of an unfamiliar NA slipping thru heavy growl, hoping for Guyana. [JR-NY]
- 660 GUATEMALA IGW (tent) 0243-0259 11/25. Noted with traditional string mx, SS announcements, apparent s/off mentioning "... Guatemala ... Pacifica AM ...", possible NA then no longer heard, long fades w/WFAN. Seems like an early s/off if Guatemala. [JR-NY]
- 720 UNID 0355 11/22. UNID NA then s/off at 0355 o/Jamaica and Nicaragua, believe it was Colombian NA, but can't put my hands on my NA tape. [JR-NY]
- 720 NICARAGUA R. Católica Nicaragua 0445-0458. "Revistas", news about "El Frente Sandinista" and "fuerzas armadas", and many IDs, leading up to s/off w/NA (or some other anthem), very good on peaks o/Jamaica. [JR-NY]
- 790 MEXICO XEW, Mexico City 0600 11/23. Good in CHML null w/Mex. NA. [JR-NY]
- 1020 COLOMBIA HJFO, Pererra 0145 11/3. In clear w/RCN program. [BD-PA]
- 1030 COLOMBIA HJER, Cali 0145 11/3. Atop freq. w/RDN // 1020. [BD-PA]
- 1030 HAITI 4VEH, Cap Hatien 2245 11/2. All alone then into EE at 2300. [BD-PA]
- 1375 ST. PIERRE & MIQUELON 0724 11/16. RFO w/FF talk // 5055, weak but steady. [JR-NY]
- 1580 MEXICO La Grande de Sonora 0623 - 0644 w/béisbol game and IDs, good on peaks. [JR-NY]
- 1685a UNID 0517 11/22. Weak beacon, w/ repetitive morse code "E-M-E-R". Definitely four letters, though it might also be MERE or EREM or REME as there wasn't much of a break between letters! Am I hearing Colombian MER with an extra "E"? [JR-NY]

TRANSMITIENDO GRATAS NUEVAS ALEGRES  
Telling the Good News Abroad



From  
GUATEMALA  
"Beautiful land  
of the Quetzal"

Frequencies:  
730 kc.  
5.955 kc.

Fact:  
The Quetzal is the national emblem of Guatemala. This bird seldom survives in captivity, hence, symbol of liberty.

"If the Son (Christ) therefore shall make you free, ye shall be free indeed."  
John 8:36.

## STATION NEWS

Note: All Caribbean items shown below are from a trip made by two members of SDXL. [ARC #8]

ANTIGUA: 620 ABS, uses a middle-fed dipole N/S direction. Transcription service tapes and correspondence (IRCs) were found lying on the fields nearby the house. 1100 ZDK is going to move to a new broadcasting house in the near future. Has no reserve power and the poor electricity causes many off-air situations.

- 730 COSTA RICA TIHB, R. Reloj 0445-0505 11/23. Very good on peaks o/CKAC & XEX, w/mx, call ID, and "Esta es R. Reloj de Costa Rica", no nx on hour, // 4832 and 6006. Very pleased to hear this through powerful XEX. [JR-NY]
- 810 BAHAMAS ZNS 0406 11/23. With an inspirational music program, M announcer, best reception from them in a while. [JR-NY]
- 880 UNID 0357-0430 11/12. Poor to good in sharp WCBS null w/SS mx and announcer. 0419 clear "R.

QSL

## RADIO SRS SOUTH AMERICA

### SURINAM BROADCASTING FOUNDATION

**AM 725 KCS - 50 KW - FM 93.1 MC - SW 15450 KCS**



**AUSTRALIA:** 3XY 1422 Melbourne off the air for good 9/23/91. [N2RDXL via TL in ARC #8]

**BOTSWANA:** R. Botswana 648 new tx at Orapa (50 kW), 03-22 UTC. [WRTB via BE in ARC #8]

**BULGARIA:** Plovdiv 241 60 kW (ex-500 kW), Vidin 576 500 kW (ex 100 kW). [EBU in WDXC 11/91]

**CANARY ISLANDS:** Active MW stations: 576 RNE R1, Las Mesas, GC; 621 RNE R1, Izaña, Ten.; 720 RNE R5, Izaña, Ten.; 747 RNE R5, Las Mesas, GC; 837 COPE Las Palmas, Tefira, GC; 888 COPE Tenerife, La Laguna, Ten.; 1008 SER Las Palmas, Arucas, GC; 1098 RNE R5, La Palma, LP; 1176 SER R. Club Tenerife, Ten. (\*); 1269 R. ECCA, Monte Constantín, GC. (\*) = ARC ed. wonders if really 1179. [Juan Antonio García Monzón in El Día via DXclusive in ARC #8]

**CZECHOSLOVAKIA:** Kosice 1521 400 kW (ex 600 kW). [EBU in WDXC 11/91]

**INT'L WATERS:** Bob Geldorf has recently visited the R. Caroline vessel. Ronan O'Rahilly has reportedly obtained a license from a Third World country not in the ITU to operate an international service from the vessel. Geldorf would invest in the project and the station would promote famine relief. The organization claims the station would then be legal, enabling offices and supplies in Britain. [R. Caroline newlines via Contact via DXCL #623 in UKVK #14]

**LUXEMBOURG:** RTL will end EE trans-missions on 1440 at the end of the year, to carry GG instead. EE will continue on SW and satellite. [Daily Telegraph & J. Marks via Communication #204 in UKVK #14]

**MADEIRA:** 1017 Posto Emissor de Radiodif. do Funchal (1530) has a relay station on this frequency located at Santana, 1 kW. [WRTB via BE in ARC #8]

**MONTERRAT:** 885 ZJB still uses a temporary, low dipole because the mast was destroyed by the hurricane two years ago. Hopes to have better facilities in the future. 930 R. Antilles has returned to the air. At this time mostly relays VOA programs with own "Big Radio Antilles" IDs. Hopes to be a fulltimer about 12/91 or 1/92.

**NETHERLANDS:** R. Jessica 1609 every Su 2200-2400 w/30 watts. R. Nova 1613 at nights in DT and EE. R. Pelikan and R. Kri 1613-1616. R. Spanningzoeker 1610. R. Holland Int. 1610. [FRN in WDXC 11/91]

**NETHERLANDS ANTILLES:** 1120 R. Statia was off the air. 1410 VO Saba heard w/poor overmodulated audio.

**NEW ZEALAND:** 4XX Ranfurly is on 24 hrs and now on 9B1. This freq. belonged to Rhema but given over for 12 months to 4XX. Authorized power is 500 watts. 4XX previously operated on 756. [N2RDXL via TL in ARC #8]

**ST. KITTS:** 552 ZIZ has moved the antenna to a new place after the hurricane.

**USSR:** Private station R. Vladivostok hires R. Moscow's 1000 kW transmitter on 1251 daily 2100-2300. [G. Grigoriev in Communication #204 in UKVK #14]

**YUGOSLAVIA:** 1557 Hrvatska Radio, Zagreb, appears to have moved to a high-power MW outlet here following reported destruction of the low-power Osijek transmitter on that frequency. It's still on 9830 and 7240 around the clock w/news in EE noted at approx. 0705, 0905, 1305, and 2205. The use of the main 1200 kW transmitter on 1134 is highly erratic, sometimes it's on, but at much reduced power, other days completely unheard. [Media Network and Dave Kenny in Communication #204 in UKVK #14]

#### CONTRIBUTORS

[JW-OR] Jack Woods, Waldport OR; Sony ICF-2010, Martens loop

[RF-OH] Rich Frcho, Willoughby OH; Drake R7A, JRC NRD-515, LA-36 loop, LW

[BD-PA] Ben Dangerfield, Wallingford PA;

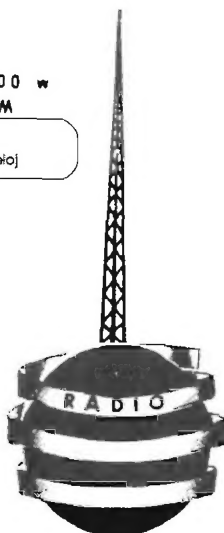
[JR-NY] Jim Renfrew, Rochester NY; HQ-180, SM-1.

580 KC 5000 w

AM - FM

W K A Q

Radio Reloj



# Formats

Tony Fitzherbert

356 Jackman Avenue  
Fairfield, CT 06430-1728

## Changes in programming status; reported by listeners

Welcome to the holiday season Formats column. Robert Tiara notes via a news clipping, that WT2Q-1600, Henderson, NC has been sold to WISE-1310, in Asheville. The two will simulcast a format of music from the 1950's and 1960's. WT2Q, by the way, has been heard in my den at sunset...but they never verified. And, according to the M Street Journal, WBYY-810, ("Buy"), Rockford, MI will go to an all commercial format. What next. And from the suggestion box, Dave Schmidt thought that the silent stations be dropped here...Bill Hale and Jerry Starr pick them up in their columns. A good idea, so lets not duplicate effort!!

Our contributors are Dave Schmidt, The M Street Journal, and Joe Perka, who sends a Dial Scan from Jacksonville, FL. Here we go....

560 WYOR TN	Brentwood	- CWM, Business news (M).
580 KFXD IN	Nampa	- News, farm info, talk (M).
630 KIDD CA	Monterey	- Unis Standards (M).
740 WDFZ TN	Tullahoma	- AC (M).
770 KPJA CA	Riverbank	- Religion and BRN Business (M).
800 WDSO SC	Dillon	- Religion (M).
810 WBYY MI	Rockford	- All commercial radio (M). We have enjoyed all Elvis, all Beatle, all weather, all pre-teen, all polka, and now all commercials (TF).
920 WTTM NJ	Trenton	- News/talk (DS).
1010 WYST MD	Baltimore	- Now some Spanish on Sundays (DS).
1020 WIBG NJ	Ocean City	- //WSKR - 102.7 "All Sports", some Spanish (DS).
1050 KOFY CA	San Mateo	- Spanish Contemporary (M).
1130 WEOB PA	Waynesboro	- Contemporary Christian (M).
1150 WXXO GA	Fort Valley	- Black Gospel//WIBB (M).
1150 WKPA PA	New Kensington	- Soft AC (M).
1240 WVOK MA	West Yarmouth	- CNN Headline News (M).
1280 WIBB GA	Macon	- Black Gospel//WXXO (M).
1300 WJFK MD	Baltimore	- //WJFK-FM, Washington, classic rock and Howard Stern (DS).
1340 KTOX CA	Needles	- News/talk (M).
1350 WOYK PA	York	- Drops SMN Pure Gold for CWM (M).
1380 WGUS SC	North Augusta	- Time brokered programming, studios closed, staff released, and turned over to a private concern paying for their time (DS).
1440 KKXL ND	Grand Forks	- SMN CWM (M).
1450 KIOV ID	Payette	- Oldies, classic rock (M).
1460 KEYS TX	Corpus Christie	- News/talk/BRN Business (M).
1480 WYRN NC	Louisburg	- CWM//FM (M).
1510 KIDZ MO	Independence	- CHR//KXXR (M).
1560 WMOM MD	La Plata	- ARN Talk (M).
1570 WBUX PA	Doylestown	- 80's music as of 12/1/91 (DS).
1580 KRZI TX	Waco	- News/talk in December (M).

And bring your radio to sunny Jacksonville, FL, courtesy of Joe Perka, for a local Dial Scan....

550 WAYR	Orange Park	- Christian radio.
600 WOKV	Jacksonville	- News and talk.
690 WPDQ	Jacksonville	- Talk.
930 WRXJ	Jacksonville	- Oldies.
970 WVOJ	Jacksonville	- Christian programming.
1010 WTXL	Jacksonville Beach	- Inspirational radio, Christian.
1050 WROS	Jacksonville	- Christian.
1170 WHWY	St. Augustine Beach	- Visitor information.
1220 WJAX	Jacksonville	- Beautiful music.
1240 WFOY	St. Augustine	- News/talk/easy listening.
1280 WSVE	Jacksonville	- Gospel.
1320 WQTK	Jacksonville	- Country music.
1360 WCGL	Jacksonville	- Gospel.
1400 WZAZ	Jacksonville	- Soft urban contemporary.
1460 WFFV	Jacksonville	- CNN Headline News.

Get your format changes and dial scans in to the DX'er's home companion, for format information. And a most blessed holiday season to all!!!

**KSDO AM 1130**  
INFORMATION STATION



# Graveyard Achievements

William Hale

734 Burleson  
San Marcos, TX 78666-4335

Distance records for stations logged on graveyard frequencies

## 1450 kHz

Logged from Jan 1, 1980 to Present

Date of Last Update: Sept 25, 1991

WDNG	AL	Anniston	Carl Dabelstein	Overland Park, KS	615
WYAM		Bessemer	Brian Bursack	Columbus, OH	450
WDLK		Dadeville	Jim Renfrew	Rochester, NY	837
WDIG		Dothan	Alan Imprescia	New York, NY	914
WFIK		Huntsville	Carl Dabelstein	Lincoln, NE	698
WLAY		Muscle Shoals	Tim Kerfoot	Weston, ON	780
KLAM	AK	Cordova	Esa Hänninen	Lemmenjoki, Finland	3491
KDAP	AZ	Douglas	Gene Allen	Vallejo, CA	870
KNOT		Prescott	Jim Hilliker	Anaheim, CA	319
KVSL		Show Low	Robert Kramer	Chicago, IL	1328
KOLD		Tucson	Laurie Boyer	Invercargill, NZ	7348
KENA	AR	Mena	Stephen Ponder	Ft. Smith, AR	59
KYOR	CA	Blythe	Jim Hilliker	Anaheim	184
KAVA		Burney	Mike Hardester	NAS Miramar, CA	631
KOWN		Escondido	Jim Hilliker	Anaheim	67
KPAL		Palm Springs	Laurie Boyer	Invercargill	7403
KTIP		Porterville	Frank Merrill	Nenana, AK	2319
KEST		San Francisco	Esa Hänninen	Lemmenjoki	4897
KVML		Sonora	Don Kaskay	San Francisco, CA	107
KVEN		Ventura	Dale Park	Kaneohe, HI	2538
KOBO		Yuba City	Esa Hänninen	Lemmenjoki	4799
KGIW	CO	Alamosa	Frank Merrill	Milan, MI	1222
KDMN		Buena Vista	John Wilkins	Wheat Ridge, CO	84
KGRE		Greeley	Olle Alm	Abisko, Sweden	4379
KDRW		Silverton	Niel Wolfish	Winnipeg, MB	959
WNAB	CT	Bridgeport	Frank Wheeler	Erie, PA	423
WRJM		Poquonock	Steve Goozovat	Binghamton, NY	167
WILM	DE	Wilmington	Rodney Valdron	Petit Rocher, NB	740
WOL	DC	Washington	Rodney Valdron	Petit Rocher	835
WWJB	FL	Brooksville	Jerry Starr	Youngstown, OH	860
WMFJ		Daytona Beach	Andy Rugg	Montreal, PQ	1200
WKSP		Miami	Chris Lucas	Fairfield, CT	1130
WBSR		Pensacola	Carl Dabelstein	Lincoln	897
WSPB		Sarasota	Alan Imprescia	New York	1042
WTAL		Tallahassee	Charles Reh	Leamington, ON	810
WBHF	GA	Cartersville	Steve Francis	Alcoa, TN	123
WCON		Cornelia	Carl Dabelstein	Lincoln	859
WMVG		Milledgeville	Ron Musco	Windsor, CT	850
WQQT		Savannah	Mike Csorbay	Canfield, ON	755
WVLD		Valdosta	John Wilkins	West Des Moines, IA	948
KBFI	ID	Bonniers Ferry	Gene Allen	Vallejo	860
KYSI		Montpelier	Les Carpenter	Sandy, UT	157
KORI		Payette	Esa Hänninen	Lemmenjoki	4411
KEZJ		Twin Falls	Olle Alm	Abisko	4403
WVON	IL	Cicero	Chris Lucas	Fairfield	755
WKEI		Kewanee	Pete Taylor	Durham, NC	700
WCVS		Springfield	Russ Edmunds	Parsippany, NJ	818
WAFX	IN	Fort Wayne	Niel Wolfish	Winnipeg	884
WXVW		Jeffersonville	Niel Wolfish	Winnipeg	1021
WASK		Lafayette	Niel Wolfish	Winnipeg	857
WAOV		Vincennes	Charles Reh	Leamington	349
KCDR	IA	Cedar Rapids	Laurie Boyer	Invercargill	8630
KWBW	KS	Hutchinson	Shawn Axelrod	Winnipeg, MB	818
WTCO	KY	Cambellsville	Russ Edmunds	Little Silver, NJ	652
WWXL		Manchester	Jeff Falconer	Clinton, ON	471
WPAD		Paducah	Russ Edmunds	Parsippany	825
WLKS		West Liberty	Jerry Starr	Youngstown	245
KSIG	LA	Crowley	Roy Millar	Marysville, WA	2000

KNOC		Natchitoches	Frank Merrill	Milan	883
WNPS		New Orleans	Charles Reh	Leamington	934
WLKN	ME	Lincoln	Don Lynch	Wakefield, MA	246
WRKD		Rockland	Steve Whitt	Anglesey, N. Wales	3013
WXIV		South Paris	Rodney Valdron	Petit Rocher	340
WTBO	MD	Cumberland	Rodney Valdron	Petit Rocher	860
WTHU		Thummont	Charles Reh	Leamington	318
WCEA	MA	Newburyport	Don Lynch	Wilbraham, MA	88
WMAS		Springfield	George Walton	Easton, PA	180
WATZ	MI	Alpena	Rich Eddie	St. Louis, MO	570
WHTC		Holland	Carl Dabelstein	Omaha, NE	514
WMIQ		Iron Mountain	Niel Wolfish	Winnipeg	503
			Shawn Axelrod	Winnipeg	(Tie) 503
WIBM		Jackson	Ron Musco	Windsor	580
WNBY		Newberry	Russ Edmunds	Parsippany	679
WHLS		Port Huron	Steve Francis	Alcoa	503
KATE	MN	Albert Lea	Niel Wolfish	Winnipeg	512
			Shawn Axelrod	Winnipeg	(Tie) 512
			Gary Atkins	Louisville, KY	805
KBUN		Bemidji	Morris Sorensen	Leaf Rapids, MB	755
KBWV		Brackenridge	Mike Csorbay	Canfield	682
WELY		Ely	Don Treford	Scarborough, ON	736
KCLD		St. Cloud	Andy Rugg	Waterloo, ON	820
WROX	MS	Clarksdale	Charles Reh	Leamington	845
WCJU		Columbia	Charles Reh	Leamington	779
WJXN		Jackson	Carl Dabelstein	Omaha	680
WOKK		Meridian	Bill Lackey	Kingsville, TX	455
WNAT		Natchez	Jerry Starr	Youngstown	685
WROB		West Point	Carl Dabelstein	Omaha	680
KFTW	MO	Fredericktown	Niel Wolfish	Winnipeg	905
WMBH		Joplin			
			Shawn Axelrod	Winnipeg	(Tie) 905
			Niel Wolfish	Winnipeg	730
KIRX		Kirkville	Shawn Axelrod	Winnipeg	(Tie) 730
			Paul Mount	Teaneck, NJ	1056
KOKO		Warrensburg	Tom Sundstrom	Willingboro, NJ	960
WKPM		West Plains	Laurie Boyer	Invercargill	8016
KXXL	MT	Bozeman	Esa Hänninen	Lemmenjoki	4114
KUDI		Great Falls	Gene Allen	Vallejo	745
KGMY		Missoula	Gene Allen	Vallejo	840
KRBM		Red Lodge	Roy Millar	Marysville	382
KTXB		Whitefish	Niel Wolfish	Winnipeg	402
KVCK		Wolf Point	Shawn Axelrod	Winnipeg	(Tie) 402
			Shawn Axelrod	Winnipeg	668
KWBE	NE	Beatrice	Frank Merrill	Nenana	2086
KONE	NV	Reno	Jeff Falconer	Clinton	504
WKXL	NH	Concord	Esa Hänninen	Lemmenjoki	3982
WIRN	NJ	Atlantic City	Rodney Valdron	Petit Rocher	665
WCTC		New Brunswick	Laurie Boyer	Invercargill	7703
KLOS	NM	Albuquerque	Frank Merrill	Milan	1109
KLMX		Clayton	Mike Hawk	Omaha, NE	861
KOBE		Las Cruces	Shawn Axelrod	Winnipeg	1115
KSEL		Portales	Don Lynch	Lynn, MA	309
WCLI	NY	Corning	Charles Reh	Leamington	532
WWSC		Glens Falls	Charles Reh	Leamington	282
WHDL		Olean	Rodney Valdron	Petit Rocher	580
WKIP		Poughkeepsie	Mike Csorbay	Canfield	220
WKAL		Rome	Robert Kramer	Chicago	519
WATA	NC	Boone	Charles Reh	Leamington	483
WGNC		Gastonia	Andy Rugg	Montreal	895
WVHV		Henderson	Frank Merrill	Milan	469
WHKP		Hendersonville	Don Lynch	Chelmsford, MA	601
WNOS		New Bern	Mike Csorbay	Canfield	555
WFBS		Spring Lake	Roy Millar	Marysville	1034
KGCA	NC	Rugby	Esa Hänninen	Lemmenjoki	3968
KBWV		Wahpeton	Jeff Falconer	Clinton	214
WJER	OH	Dover	Niel Wolfish	Winnipeg	1003
WMOH		Hamilton	Shawn Axelrod	Winnipeg	(Tie) 1003
			Mike Csorbay	Canfield	184
WLEC		Sandusky	Niel Wolfish	Winnipeg	1055
KWHW	OK	Altus	Shawn Axelrod	Winnipeg	(Tie) 1055
			John Wilkins	Wheat Ridge	526
KGFF		Shawnee	Niel Wolfish	Winnipeg	927
KSIW		Woodward	Esa Hänninen	Lemmenjoki	4479
KKXO	OR	Eugene	Esa Hänninen	Lemmenjoki	4591
KFLS		Klamath Falls	Olle Alm	Abisko	4271
KBLM		LaGrande			

KBPS		Portland	Tim Hall	Vancouver, WA	8
WWGO	PA	Erie	Don Lynch	Boston, MA	460
WFRA		Franklin	Steve Francis	Alcoa	*839*
WDAD		Indiana	Steve Francis	Alcoa	445
WPAM		Pottsville	Mike Corbay	Canfield	245
WMPT		South Williamsport	Frank Merrill	Toledo, OH	357
WMAJ		State College	Rodney Valdron	Petit Rocher	770
WJPA		Washington	Steve Francis	Alcoa	364
WKRI	RI	West Warwick	Derek Taylor	Preston, England	3163
WQSN	SC	Charleston	Andy Rugg	Montreal	930
WCBS		Greenwood	Frank Merrill	Milan	545
WHSC		Hartsville	Carl Dabelstein	Omaha	478
WQOK		Myrtle Beach	Jim Renfrew	Rochester	655
KBFS	SD	Belle Fourche	Carl Dabelstein	Omaha	478
KYNT		Yankton	Niel Wolfish	Winnipeg	485
			Shawn Axelrod	Winnipeg	(Tie) 485
			Tim Hall	Winnipeg, MB	(Tie) 485
WLAR	TN	Athens	Mike Corbay	Canfield	515
WMOC		Chattanooga	Rick Carr	Austin	802
WDSG		Dyersburg	Don Treiford	Scarborough	744
WSMG		Greenville	Carl Dabelstein	Lincoln	821
WLAF		La Follette	Steve Francis	Alcoa	43
WGNS		Murfreesboro	Carl Dabelstein	Lincoln	656
KAYC	TX	Beaumont	Eric McIntosh	Invercargill	8028
KBEN		Carroll Springs	Carl Dabelstein	Lincoln	865
KCTI		Gonzales	Bill Hale	Converse, TX	47
KMBL		Junction	Roy Millar	Marysville	1680
KCYL		Lampasas	Stephen Ponder	Ft. Worth, TX	140
KNET		Palestine	Rich Eddie	St. Louis	620
KSNY		Snyder	Brett Hanavan	Chula Vista, CA	942
KURA	UT	Moab	Carl Dabelstein	Omaha	781
KEYY		Provo	Jim Hilliker	Anaheim	558
KDXU		St. George	Bill & Nancy Hardy	Aberdeen	558
KSNO	VT	Barre	Rodney Valdron	Petit Rocher	410
WTSA		Brattleboro	Jeff Falconer	Clinton	452
WFTB	VA	Front Royal	Rich Eddie	St. Louis	645
WENZ		Highland Springs	Frank Merrill	Milan	461
WREL		Lexington	Bob McCoy	Lincoln, NE	949
WMVA		Martinsville	Greg Coniglio	Clarence, NY	439
WFOG		Suffolk	Chris Lucas	Ithaca, NY	400
KAYO	WA	Aberdeen	Esa Hänninen	Lemmenjoki	4291
KCLX		Coffax	Bill Hardy	Aberdeen	306
KONP		Port Angeles	Esa Hänninen	Lemmenjoki	4212
KAYE	WV	Puyallup	Pete Taylor	San Francisco, CA	653
WWBB		Madison	Frank Merrill	Holland, OH	272
WPAR		Parkersburg	Jim Renfrew	Rochester	318
KFIZ	WI	Fond du Lac	Morris Sorensen	Leaf Rapids	1055
WHRY		Hurley	Niel Wolfish	Winnipeg	442
			Shawn Axelrod	Winnipeg	(Tie) 442
WDLB		Marshfield	Niel Wolfish	Winnipeg	522
			Shawn Axelrod	Winnipeg	(Tie) 522
WRCO		Richland Center	Niel Wolfish	Winnipeg	593
			Shawn Axelrod	Winnipeg	(Tie) 593
KBBS	WY	Buffalo	Gene Allen	Vallejo	915
CFHC	AB	Canmore	Roy Millar	Marysville	392
CBXC		Coleman	Roy Millar	Marysville	458
CKYR		Jasper	Shawn Axelrod	Winnipeg	1244
CBKS	BC	Cache Creek	Tim Hall	(near) Ashcroft, BC	15
CHET		Chetwynd	Frank Merrill	Nenana	1110
CBXH		Cooper Creek	Roy Millar	Marysville	413
CHBV		Houston	Esa Hänninen	Lemmenjoki	3813
CKSP		Summerland	Tim Hall	Barff, AB	207
CBG	NF	Gander	Olle Alm	Göteborg, Sweden	2694
CFAB	NS	Windsor	UK DXPedition*	Sheigra, Scotland	2604
CFJR	ON	Brockville	Charles Reh	Leamington	387
CHUC		Port Hope	Rodney Valdron	Petit Rocher	660
CJBM	PQ	Causapscal	Andy Rugg	Montreal	240
CHEF		Granby	Esa Hänninen	Lemmenjoki	3549
CBMA		Noranda	Morris Sorensen	Kirkland Lake, ON	78
CHRT		St. Eleuthere	Rodney Valdron	Petit Rocher	165
KEYZ	AGU	Aguascalientes	Tim Hall	20mi W of Puerto Vallarta, JAL	227
XESS	BCN	Ensenada	Richard E. Wood	Hilo, HI	3129
XEJM	NL	Monterrey	Mike Hawk	Omaha	1106
XETD	NAY	Tecuala	Tim Hall	20mi W of Puerto Vallarta	127
XECB	SON	San Luis Rio Colorado	John Wilkins	Wheat Ridge	739
VSBI	BER	Hamilton	Esa Hänninen	Lemmenjoki	4179

R. Antilles CMJF      St. Vincent CUB      C Amancio R      Steve Whitt Shawn Axelrod      Anglesey Orleans, ON

\* UK DXPedition [Steve Whitt, Mark Hattam, Clive Rooms]

4735  
1500

## Caracol Network List ... via TRN, Arctic Radio Club

Information below originates from Ricardo Alarcon Gaviria, presidente of CARACOL:

590	HJCH	CARACOL Antioquia	Director: Carlos Posada
590	HJCB	R Deportes	Directors: Herman Pelaez
700	HJCH	CARACOL Occidente	Director: Rodrigo Cabo
750	HJCH	CARACOL Medellin	Director: Orlando Cadavid
790	HJCB	La Voz de Colombia	Director: Carlos Sierra
810	HJCH	CARACOL Colombia	Director: Dario Arismendi
820	HJCH	CARACOL Cali	Director: Sammy Jalil
830	HJCH	R Deportes	Director: Weimar Monoz
850	HJCH	R Recuerdos	Director: Fernando Sarmiento
880	HJCH	CARACOL Bucaramanga	Director: Alfonso Pineda
950	HJCH	CARACOL Pereira	Director: Erney Ocampo
960	HJCH	CARACOL Caribe	Magangué ex HJCH Director: Alberto Diaz
1010	HJCH	CARACOL Caribe	Barranquilla does not exist any longer.
1010	HJCH	En Mil Veinte	Director: William Vinasco Ch.
1010	HJCH	CARACOL Neiva	Director: Jorge Parga
1010	HJCH	R Reloj ex 1220	Director: Alberto Diaz
1040	HJCH	R Deportes	does not exist according to CARACOL.
1040	HJCH	R Reloj ex 1130	uses 10 kW. Director: Gonzalo Ardila
1080	HJCH	R Reloj	Director: Carlos Posada
1090	HJCH	CARACOL Cúcuta	uses 10 kW. Director: Carlos Perez
1090	HJCH	CARACOL Sogamoso	Director: Miguel Cristancho
1100	HJCH	R Reloj	uses 30 kW. Director: Pastor Vesga
1100	HJCH	CARACOL Barranquilla	Director: Manuel de La Rosa
1100	HJCH	La Voz de Colombia ex En José A. Galan	uses 1 kW.
1110	HJCH	CARACOL San Andrés	also uses the slogan La Voz de las Islas. Power is 5 kW.
1120	HJCH	Corazón AM	uses 10 kW. Director: Edgar Serrano
1140	HJCH	CARACOL Villavicencio	also uses the slogan La Voz de los Centauros. Power is 10 kW.
1150	HJCH	CARACOL Armenia	Director: Cesar Marulanda
1170	HJCH	CARACOL Cartagena	Director: Rafael Puella
1180	HJCH	CARACOL Manizales	Director: Guillermo Vallejo
1210	HJCH	R Reloj	Director: Luis P. Escobar
1250	HJCH	R Reloj	uses 10 kW. Director: Carlos Perez
1260	HJCH	CARACOL Ibagué	uses 10 kW. Director: Fabio Zuñiga
1260	HJCH	R Deportes	Director: Oscar Renteira
1270	HJCH	R Deportes	uses 15 kW. Director: Juan Manuel Gonzalez
1280	HJCH	CARACOL Pasto	Director: Gonzalo Ardila
1300	HJCH	R Reloj	uses 10 kW. Director: Antonio José Uribe
1300	HJCH	R Reloj	uses 15 kW. Director: German Gomez
1310	HJCH	CARACOL Monteria	uses also the slogan Tr. Río. Director: Francisco de Zubiria
1310	HJCH	Corazón AM	uses 15 kW. Director: Manuel Hoyos
1330	HJCH	R Reloj ex R Guanentá	uses 5 kW.
1330	HJCH	R Copenol	not R Copenol.
1360	HJCH	R Reloj	uses 10 kW. Director: Humberto Gonzalez
1370	HJCH	CARACOL Sincelajo ex R Sabanas	
1420	HJCH	CARACOL Santa Marta	uses 15 kW. Director: Gustavo Morales
1420	HJCH	R Reloj	uses 10 kW. Director: Yesid Lopez
1550	HJCH	R Reloj ex R Reloj del Quindío	Director: Cesar Marulanda TRN

## How to place orders ...

By mail: Write to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164. . Enclose check or money order; NY residents, add state and local taxes. If ordering by credit card, you may write to NRC - P. O. Box 24 - Cambridge, WI 53523-0024; include information below plus your signature. By phone: Call (608) 423-4159 from 7-11 pm ELT. Have ready your VISA/MC information: Card type, number expiration date, name on card, evening telephone number. State and local taxes will be added to WI residents' orders.



# The Answer Man

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

Greetings, everyone! First, I must apologize for the delay of getting this column out. I had intended to do another in early to mid summer, but there were only two questions I had on hand over the entire summer. Secondly, we have just undergone another in what seems to be a continuing series of reorganizations at work, which has resulted, at least temporarily, in both substantially increased travel and substantially increased work. Anyway, I do have several more questions on hand, so let's proceed.

**QUESTION:** There are two antenna connections on the back of my receiver in addition to the ground connection. Why is this? What is the best way to connect a longwire? A loop?

**ANSWER:** The two terminals are provided to accommodate a balanced antenna, whether it be a balanced loop or a dipole. The antenna terminals usually connect to a slight load, usually 75-100 ohms, which then feed into the antenna matching/tuning network. This may vary by band on a communications receiver. An unbalanced input from either a random wire or an unbalanced loop would use one antenna terminal and the ground terminal. It shouldn't matter which of the two antenna terminals you use. Via experimentation, you can determine whether or not you gain any advantage by tying the unused antenna terminal to the ground terminal, as this will depend upon the antenna in use. Generally, performance should be degraded somewhat by using only the two antenna terminals.

**QUESTION:** I recently saw an advertisement for something called an antenna multiplier, usable for AM, FM, TV and whatever. What is this, and can it work?

**ANSWER:** This sort of thing has been around for a long time. Most of them contain a small transistorized very broad band amplifier, which amplifies signal and noise alike, without any significant frequency response. Many also claim to reduce noise, and some may actually do so by means of modest filtration circuits. Something which is that broad will probably not offer a distinct quality improvement for DX'ing, but might be useful for weak signal listening in a fringe area or where an outdoor antenna isn't feasible.

**QUESTION:** Recently a CATV installer left behind some excess cable. I'm thinking of using it for an AM

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Blue Bell, PA 19422-2052

longwire. Will this make a good antenna or lead-in?

**ANSWER:** Without knowing what the actual specifications of the cable are, I can't really tell. My inclination would be to try it out, tying the conductor and the braid together at both ends. For a lead-in, it would probably lose a fair amount of signal, since it is designed for much higher frequencies. Whether it's useful to you or not will depend on what you're looking for from it and what you're comparing it to. If you have nothing out there now, it will probably be an improvement. If you have a good longwire now, it may be either equal or worse.

**QUESTION:** The back of my property abuts a wooded neighborhood park. The park is surrounded on 3 sides, in a U shape by a 5 foot galvanized chain link fence which appears to be about a mile in total length. Would this be a good longwire for BCB frequencies?

**ANSWER:** Probably not. It would be difficult making a good connection, and it is unlikely that the fence is adequately connected, one section to another, electrically, to do anything other than increase your noise. Since the posts are set into the ground, you would simply be using ambient ground for an antenna, which offers no benefits.

**QUESTION:** I recently tried building my first air-core loop, based roughly on the NRC 2-foot loop, however, I'm really having a difficult time finding a tuning capacitor for it. I tried using one from an old clock radio with unfavorable results. I could obtain one rated at 5 - 266 pf, would that be acceptable? If not, where can I obtain what I need?

**ANSWER:** This is a tough one. For loop work, a liner taper capacitor as specified in the plans really makes life easier, but the capacitor in question hasn't been made in several years, and, when it last was available, the price was quite high. The capacitor in the plans is a 325 pf, which, with the specified buffer capacitors in circuit, covers the band. You could try the 5 - 266 pf one, if it's not too expensive, and increase the value of the fixed capacitors in circuit by experimentation until you can cover the low end of the band. I had to do that with the original 2 foot loop and the listed capacitor to get down below 620 KHz.

**QUESTION:** I have a noise filter which is a Tokin MA-2060. It has printing on the back which says: "Noise Filter, 125 VAC, 6 A 50/60 Hz, T. V. VAC 1000 1 Min." What is it, and what can I use it for?

**ANSWER:** That's a good question, hi! It appears to be an AC line noise filter, judging by the 125 VAC, 6 Amp, 50/60 Hz part. The other part says that it would take a peak voltage of 1000 for 1 minute, if I interpret correctly. Perhaps one of our other readers can help on this...

**QUESTION:** (And, owing to the nature of this question, which was received in late Spring, I must again apologize for the delay...ed) Can there be FM E-skip at midday?

**ANSWER:** Yes, there can. It isn't as common as either pre-sunrise or post-sunset E-skip, but it does indeed occur. By nature, it isn't predictable.

**QUESTION:** Is there an antenna which is good for FM which can be made for under \$30?

**ANSWER:** I think so. Many FM/TV hobby magazines have run articles on constructing inexpensive FM/TV yagis. I would doubt that you could buy much of a commercial unit at that price, but it might be possible. See the next question for a related issue.

**QUESTION:** I can't put up an outdoor FM antenna. What can I do to get in on FM DX?

**ANSWER:** Unlike AM, with FM, if conditions are poor, and you've logged all of your locals and semi-locals, you won't likely hear more. Similarly, when conditions are good, you'll be able to hear it. Someone with superior equipment may hear more, but you won't miss it altogether. That said, being there at the right time and the proper techniques and planning are at least as important as equipment for FM, in my opinion. I've DX'ed FM, never with a yagi or sophisticated rx, from 1962-67 using a table AM-FM and rabbit ears; from 1974-76 with either a Nordmende Galaxy 6000 large portable with a whip or the Hammarlund HR-10 small portable with whip; and from 1989 to present, using car radios and whips, and I've been able to hear some good stuff on openings, even though I've missed many of the biggest ones. There's no question I'd have heard more with better, but it can be done, and I'm not the only one who's done it, hi.

Well, that seems to be all there is here. I have a couple of items which don't lend themselves to publication here, which I'll answer privately. In the meantime, keep 'em coming! 73

## Tips on the Half-Breed Crystal Set ... by Ray Cole

After building four of these, I have found some useful tips for builders.

Due to the variations in 2N2222's, some circuits need an .001 to .01 in series between the potentiometer and the input to the Darlington preamp in order to have proper regeneration.

Regeneration control is improved in some cases by using 100K and 30K pots. If you want just a single control, use a 1 megohm pot.

Some variable capacitors have a low maximum capacity. If you happen to have these, wind 60 turn coils - you can always remove some turns if necessary, from each end - not from in the center between the windings.

Maximum antenna is 12'. Any addition seriously overloads and destroys the selectivity and regeneration control. 8' is the optimum.



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# Musings of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

**Dave Schmidt**

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Times are local per Muse.

## BEN DANGERFIELD - 202 GOVERNORS DRIVE - WALLINGFORD, PA 19086

I believe the last time I MUSED was on my return from Portugal in Feb. Well, since then, we have been to Costa Rica (in March), Sierra Vista, AZ (May), Birmingham, MI twice (our daughters), W PA (June), Barbados & Gloucester, MA (Aug), & Belgium, Germany & Czechoslovakia in Sep. Needless to say, I DXed in all those places. Barbados was quite interesting for there, during the day, it was possible to hear 15 countries, mostly from the W Indies, but including Venezuela & Guyana. I thought I had sent a list of stations heard to Jim Renfrew, but it never showed in IDXD so I guess I shall have to resubmit it. As usual, the DX was enjoyable while in Europe. At our location near Brussels, I could pick up by day, all the Belgian AM stations, all the Netherlands stations plus several from England, France, Germany & Radio Luxemburg. Beginning at sunset, the band opens up to all of Europe and nearly every frequency has one or two good signals. Of current interest was Radio Croatia on 774 in EE and a station on 1386 (super signal) listed in WRTH as Kaliningrad but IDING in the late afternoon as Radio Riga with the news in Latvian following. Spent 4 days in Frankfurt and 5 days in Prague, both fascinating cities, but reception was hampered by our hotel location, mostly local reception. At Heathrow airport, London, on our way home, there was a fellow across from us in the departure lounge, who, when he left to board his flight, dropped his keys, but didn't know it. At the time, there were several flights leaving, people didn't know what to do. But I looked at the key chain, and it said CFTR-680, so I knew what to do. I told my wife this was a Toronto radio station so she found an airport employee and asked if there was a flight leaving for Canada. There was, he took the key chain and was able to catch the plane before it took off. I guess the guy wondered how they had located him! Now, back home, reception hasn't been good for several weeks. Some TA activity around the 3rd week of Oct. and auroral conditions ever since. In this area, I note that WIBG-1020 now seems to be on a gospel format after a few weeks of all sports (simulcast of WSKR-102.7-DWS). They must have used about 4 formats in the past year! Still a fairly weak signal into this area. Not as strong as the Valley Forge TIS on 1610! I haven't heard anything from any of the new Philadelphia area radio stations but note that WVCH is on the air several evenings a week with a good signal but then they are only about 3 miles from here. Does anyone know if Steve Bohac is still in the NRC? That's it for this time. (WVCH's night power is 5 watts, Ben, audible here-DWS)

## ROGER WINSOR - 706 LONG RUN - VALPARAISO, IN 46383

Time for my annual MUSING! Very little time is devoted to DXing, some time spent listening in my Truck, though. It has been very dead except for a few evenings now and then. On the local scene, nothing yet from WSCR-820. Still tied up in the transfer of ownership, etc. WWC-1270 continues to be the champion splatterer from 1250 thru 1290. WTAQ-1300 is now using their night array and is more audible, WOOD still dominant though. WLTH-1370 is promoting a 12-2AM gospel program, so perhaps on those late hours, was off a 12AM. A few stations added to the log in the last few months: WRIG-1390 noted o/u WGC1 w/oldies on 9/24 on the truck radio while driving home. 10/14 WQXY-1560 noted 7 AM just before themess then a couple of days later, WOXR-1580 7 AM. The best catch of the year has to go to this one, KMHL-1400 on 11/7. Turned on the radio, noted MN Radio Network, stayed w/it to hear a nice KMHL/KKCK ID and a couple of ads. What makes this a little better catch is that my companies home office is located in Marshall and I have seen their tower/facilities while there a year ago. They were in the clear and much appreciated. My total is now 3074 heard, the log running since 56. The list of stations off the air was interesting. One big mistake is that WAIT-850 is on and has never been off! They are Chicago-land's only BFL music station. One last item, WLTH-1370 is carrying U of IN football this year, equal to WOWO-1190. WIMS-1420 also carries them but a different network feed, which is odd. Have a blessed & happy holiday! 73 to all

## KEN MACHARG - CASILLA 691 - QUITO, ECUADOR

Maybe this will make it in time for the 12/1 issue for MUSINGS from those in the radio business. Life & broadcasting continues upbeat here in Ecuador where we are receiving record numbers of letters from listeners all around the world. We are averaging 2000 per month, almost double that of last year! We don't have the letter/month statistics yet but we were swamped! DXers might want to be on the lookout for a special DXers test from HCJB-690 some time after the 1st of the year. It is a 50000 watt directional station with towers up on the 12000 ft. mountain right above Quito. They are the only lit towers up there a night among a whole forest of TV/radio towers which are a bit lower, so don't need

to be lit. Actually they & the many other towers up there create more interference here in Quito for DXing than do our SW transmitters which are 20 miles from here. Anyhow, DX PARTY LINE host Rich McVicar hopes to put together a Spanish/English program with tones, code ID's, etc. We'll get an announcement out in plenty of time. DXing from here is a function of post-midnight hours, especially if a person is aiming at NA. Some recent veries include WWL-870 & KXEL-1540. Of course, we can hear a lot of Latins here, including some from Central America plus Atlantic & Caribbean Beacons. Best wishes to all from the high Andes mountains of Ecuador in SA!

## DAVE SCHMIDT - PO BOX 11502 - WILMINGTON, DE 19850

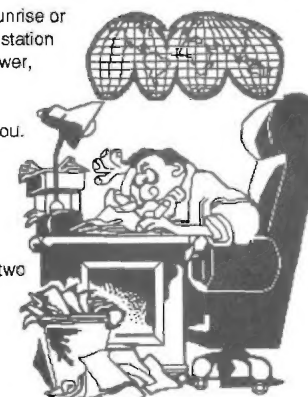
Ben noted WVCH-740 being on at night in his report, which I decided to check, and found it audible here. Having been the first station I worked at in 67, I decided to call and get some information. They're running til midnight, dropping to 5 watts at sunset! Strange as it seems, it was listenable here right up til s/off, 17 miles away, using the SM2. They are also simulcasting with WEEB-89.5 Cherry Hill, NJ. Column going out a couple of days early this time, as a short 20th anniversary trip is coming up. Recently received a report at WCEI-1460 from ALAN MERRIMAN, and in the typical NRC fashion, it was a 100%er report, thank AL. And even veries should start showing up from the WKEN-1600 DX from a year ago! I'm FINALLY getting to those! That's it til next issue!

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LOCATION:	RAW PSEUDO, TX (-4)	CORPUSCIDE (-4)
DATE	SUNRISE GMT	SUNSET GMT
NOV 1	12:40	23:40
NOV 2	12:41	23:41
NOV 3	12:42	23:42
NOV 4	12:43	23:43
NOV 5	12:44	23:44
NOV 6	12:45	23:45
NOV 7	12:46	23:46
NOV 8	12:47	23:47
NOV 9	12:48	23:48
NOV 10	12:49	23:49
NOV 11	12:50	23:50
NOV 12	12:51	23:51
NOV 13	12:52	23:52
NOV 14	12:53	23:53
NOV 15	12:54	23:54
NOV 16	12:55	23:55
NOV 17	12:56	23:56
NOV 18	12:57	23:57
NOV 19	12:58	23:58
NOV 20	12:59	23:59
NOV 21	13:00	24:00
NOV 22	13:01	24:01
NOV 23	13:02	24:02
NOV 24	13:03	24:03
NOV 25	13:04	24:04
NOV 26	13:05	24:05
NOV 27	13:06	24:06
NOV 28	13:07	24:07
NOV 29	13:08	24:08
NOV 30	13:09	24:09

Sample

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